

Vincenzo Moccia

Senior Software Engineer and Data Scientist

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<https://www.linkedin.com/in/vmoccia>

Skills

- strong experience with large-scale, multi-threaded, high-performance software
- knowledge of research design, statistics and machine learning
- experience with gathering, storing, transforming and distributing data
- experience with performance assessment and capacity planning techniques
- experience with people leadership and development
- proven ability for critical and creative thinking

Work experience

Team lead – Bloomberg LP, Lugano, Switzerland (2017 - current)

- Leader of a newly created team of 12 people whose main focus is evolving a sophisticated **data acquisition, storage and distribution** system
- Mission: enhance system for higher velocity, larger scale, more modern technology and improved data quality and consistency
- *Attended Strata Data Conference 2017 and 2018, New York*

Team lead – Bloomberg LP, Lugano, Switzerland (2013 - 2017)

- Leader of a team of 6 people whose focus is writing and maintaining APIs for a back-end service providing **financial data and analytics**.
- Contributed to adoption of this service as the calculation engine for a number of very successful client-facing functions in Bloomberg Professional Service
- Coordinated hiring effort for role of Senior Software Engineer at Bloomberg
- Founder and organizer of the Lugano Tech Talks Meetup group
- *Attended Strata+Hadoop World Conference 2014 and 2015, New York*
- *Attended Spark Summit East 2015, New York*

Senior software engineer – Bloomberg LP, Lugano, Switzerland (2006 - 2012)

- Designed and developed comprehensive C++ library
 - *The library is the interface to important internal back-end financial services*
 - *The library has a track record of performance and robustness and is now used in a number of client facing, mission critical, **large scale** services and applications*
- Maintained and enhanced large-scale back-end service
 - *Worked on large C++ code base*

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- *This is a complex, multithreaded service designed for **performance, availability and scalability***
- *Integrated with other services providing external data. Enabled many existing functions to take advantage of externally provided custom data*

Software engineer – Brainpower SA, Lugano, Switzerland (2001 - 2006)

- Re-engineered C++ based **charting infrastructure** for increased quality and performance
- Developed desktop application for editing financial indicators
- Designed and implemented server-side reporting system for generating **financial data sheets** and presenting results of financial analysis (Java, Apache FOP, XSL-FO, XSLT, SVG)
- Worked on architecture of brand new web based financial product (C#, .NET)

Software engineer – Sendai Systems, Bern, Switzerland (1998 - 2001)

- Participated in the design and development of collaborative software solution based on WebObjects and Mac OS X (Java and Objective C)
- *Attended Apple WWDC 2000 and 2001 in San Jose, CA*

Education

Master of Information and Data Science, 2018, GPA 3.97 – University of California at Berkeley.

- “Counting Deaths to Save Lives” - final project for W201 *Research Design and Applications for Data Analysis*, with Carlos Castro and PJ Hardas.
- “Measuring the Emotional Impact of Presidential Debates with Twitter Emotion Detection” - final project for W205 *Storing and Retrieving Data*, with Mehdi Saedi and PJ Hardas.
- “Bike Sharing Demand Prediction - a Kaggle Competition” - final project for W207 *Applied Machine Learning*.
- “Kelp Me Out - Kelp farming for everyone” - capstone project with Robert Deng and Clay Miller <http://groups.ischool.berkeley.edu/kelp/>

M.Sc. in Computer Engineering, 1998 – Università degli Studi di Pavia, Italy.